

IN THE SPECIFICATION

Replacement paragraph of Page 5 of specification:

SUMMARY OF THE INVENTION

The present invention relates to magnesium-based alloys with good creep resistance and castability, which are suitable for elevated temperature applications, and which have good corrosion resistance. Said alloys comprise aluminum, manganese, zinc, calcium, strontium, zirconium, and rare earth elements. The alloys of this invention contain at least 86 wt% Mg, 4.8 to 9.2 wt% calcium, 0.05 to 1.4 wt% strontium, 0.000 to 0.8 wt% rare earth elements, and 0.00 to 0.02 wt% zirconium, and they may comprise beryllium up to ~~0.004~~ 0.004 wt%. The content of iron, nickel, copper, and silicon in the alloy is not higher than 0.004 wt%, 0.003 wt%, and 0.03 wt%, respectively. The sum of calcium and strontium contents is higher than 0.9 wt% and lower than 1.6 wt%. The microstructure of an alloy according to this invention comprise Mg-Al solid solution as a matrix, and intermetallic compounds $\text{Mg}_{17}\text{Al}_9\text{Ca}_2\text{Sr}$, $\text{Al}_2\text{Ca}_{0.5}\text{Sr}_{0.5}$, $\text{Al}_8(\text{Mn},\text{RE})_5$, $\text{Al}_2(\text{Sr},\text{Ca})_1$, $\text{Al}_x(\text{Mn},\text{RE})_y$ located at grain boundaries of said Mg-Al solid solution.

Replacement paragraph of Page 13 of specification:

Beryllium – the additions of ~~5-10~~ 3-4 ppm of beryllium were introduced in some of the new alloys in the form of a master alloy Al-1%Be, after tempering the melt at temperatures of 660-690°C prior to casting. However, most of the new alloys were prepared and cast as Be free.